What Is Claimed Is:

- 1. An optical deflector comprising:
- a motor that drives a rotative polygon mirror deflecting rays emitted from a light source;
- a drive circuit board, mounted in a housing, on which an electronic part controlling the motor is mounted;
- a first through hole on a lower face of the electronic part, formed on the drive circuit board; and
- a radiating member that, through the first through hole, directly contacts the electronic part or indirectly contacts the electronic part through an intervening conductive member.
- 2. The optical deflector according to claim 1, wherein the drive circuit board is constructed from a metal and the radiating member contacts the drive circuit board.
 - 3. An optical deflector comprising:
- a motor that drives a rotative polygon mirror deflecting and scanning rays emitted from a light source; and
- a drive circuit board, mounted in a housing, on which an electronic part such as an integrated circuit controlling the motor is mounted, wherein the drive circuit board is constructed from

a metal, the rotative polygon mirror is on an upper face of the drive circuit board, and the electronic part is mounted on a lower face of the drive circuit board.

- 4. The optical deflector according to claim 3, wherein the lower face of the drive circuit board is a wiring pattern face, a connection hole is formed on the drive circuit board, and drive coils constituting the motor and a wiring pattern are electrically connected through the connection hole.
- 5. The optical deflector according to claim 4, wherein a hole is formed in the drive circuit board in opposed relation to drive magnets disposed to face the drive coils and a position detector for detecting the position of the drive magnets is disposed within the hole.
 - 6. An optical deflector comprising:

a motor that drives a rotative polygon mirror deflecting and scanning rays emitted from a light source;

a drive circuit board, mounted in a housing, on which an electronic part such as an integrated circuit controlling the motor is mounted;

wherein:

the rotative polygon mirror is on an upper face of the drive circuit board, and on a lower face of the drive circuit board, a first wiring pattern is

formed and the electronic part is mounted;

on the upper face of the drive circuit board, a second wiring pattern electrically connected with drive coils constituting the motor is formed and a position detector for detecting positions of drive magnets disposed to face the drive coils is disposed; and

the first wiring pattern and the second wiring pattern are electrically connected by a connection hole formed on the drive circuit board.

7. An optical deflector comprising:

a motor that drives a rotative polygon mirror deflecting and scanning rays emitted from a light source;

a drive circuit board on which an electronic part such as an integrated circuit controlling the motor is mounted;

wherein:

the rotative polygon mirror is on an upper face of the drive circuit board, and on a lower face of the drive circuit board, a first wiring pattern is formed and the electronic part is mounted;

on the upper face of the drive circuit board, a second wiring pattern electrically connected with drive coils constituting the motor is formed and a subboard on which a position detector for detecting positions of drive magnets disposed to face the

drive coils is disposed is secured; and

the first wiring pattern and the second wiring pattern are electrically connected by a connection hole formed on the drive circuit board.

- 8. The optical deflector according to claim 7, wherein a hole is formed on the drive circuit board, the subboard bridges the hole, and the position detector is disposed on an upper face of the subboard within the hole.
 - 9. An optical scanner comprising:
 - an optical deflector comprising:
- a motor that drives a rotative polygon mirror deflecting rays emitted from a light source;
- a drive circuit board, mounted in a housing, on which an electronic part controlling the motor is mounted;
- a first through hole on a lower face of the electronic part, formed on the drive circuit board; and
- a radiating member that, through the first through hole, directly contacts the electronic part or indirectly contacts the electronic part through an intervening conductive member.
- 10. The optical scanner according to claim 9, wherein the housing is constructed from a metal, and the housing is the radiating member.

- wherein a second through hole is provided on a bottom wall of the housing for being communicated with the first thorough hole, and the radiating member is exposed to outside the housing.
 - 12. An optical scanner comprising: an optical deflector comprising:
- a motor that drives a rotative polygon mirror deflecting and scanning rays emitted from a light source; and
- a drive circuit board, mounted in a housing, on which an electronic part such as an integrated circuit controlling the motor is mounted; wherein a bottom wall of the housing is constructed from the drive circuit board, the electronic part is mounted outside the housing.